PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: JEFFREY K. JACOBS 1303 EAST ALGONQUIN ROAD	PCT NOTIFICATION OF TRANSMITTAL OF			
SCHAUMBURG, IL 60196 IF NO RESPONSE IS NEEDED.	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL			
PLEASE INITIAL DATE RETURN TO CAROL	SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)			
	Date of mailing (day/month/year) 1 5 APR 2005			
Applicant's or agent's file reference CE11765R	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US04/26054	International filing date (day/month/year) 11 August 2004 (11.08.2004)			
Applicant MOTOROLA, INC.	11-615011			
. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.				
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the	· · · · · · · · · · · · · · · · · · ·			
When? The time limit for filing such amendments i search report.	is normally two months from the date of transmittal of the international			
Where? Directly to the International Bureau of WIF 1211 Geneva 20, Switzerland, Facsimile N				
For more detailed instructions, see the notes on the	accompanying sheet.			
	arch report will be established and that the declaration under the International Searching Authority are transmitted herewith.			
3. With regard to the protest against payment of (an) add				
	been transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.			
	applicant will be notified as soon as a decision is made.			
4. Reminders				
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
International Bureau. The International Bureau will send a cop	the written opinion of the International Searching Authority to the by of such comments to all designated Offices unless an international . These comments would also be made available to the public but not			
examination must be filed if the applicant wishes to postpone	of some designated Offices, a demand for international preliminary the entry into the national phase until 30 months from the priority st, within 20 months from the priority date, perform the prescribed ffices.			
In respect of other designated Offices, the time limit of 30 months.	months (or later) will apply even if no demand is filed within 19			
Guide, Volume II, National Chapters and the WIPO Internet sit	the applicable time limits, Office by Office, see the PCT Applicant's te.			
Name and mailing address of the ISA/ US	Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Wellington Chin			
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telephone No. 571-272-2600			

AFK 1 9 2005

Form PCT/ISA/220 (January 2004)

Schaumburg Docketing

(See notes on accompanying sheet)

Motorola

APRIL 9 7005

Schaumburg Docketing

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CE11765R	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.	
International application No. PCT/US04/26054	International filing date (day/month/year) 11 August 2004 (11.08.2004)	(Earliest) Priority Date (day/month/year) 17 September 2003 (17.09.2003)
Applicant MOTOROLA, INC.		
This international search report consists It is also accompanied 1. Basis of the Report a. With regard to the language, the language in which it was filed, u The international furnished to this Autho b. With regard to any nucleot 2. Certain claims were found 3. Unity of invention is lacking the text is approved as submitted.	d by a copy of each prior art document cit e international search was carried out on the tanless otherwise indicated under this item. It search was carried out on the basis of a transmity (Rule 23.1(b)). Ide and/or amino acid sequence disclosed in unsearchable (See Box No. II) ing (See Box No. III)	ed in this report.
5. With regard to the abstract, the text is approved as subrthe text has been established may, within one month from	d, according to Rule 38.2(b), by this Authori	ty as it appears in Box No. IV. The applicant rch report, submit comments to this Authority.
as suggested by the as selected by this as selected by this	e published with the abstract is Figure No. 1 e applicant. Authority, because the applicant failed to sufficiently, because this figure better character published with the abstract.	

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/26054

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : H04Q 7/00 US CL : 370/332; 455/437, 525, 560			
	International Patent Classification (IPC) or to both n	ational classification and IPC	
	DS SEARCHED		
	cumentation searched (classification system followed lease See Continuation Sheet	by classification symbols)	
Documentation	on searched other than minimum documentation to th	e extent that such documents are included	in the fields searched
Please See Continuation Sheet			
Electronic da	ta base consulted during the international search (nam	ne of data base and, where practicable, sea	arch terms used)
C. DOCI	UMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
X	US 2001/0030953 A1 (Chang) 18 October 2001(18	1.2	1-2
 Y	para [0058], page 5 para [0073]-[0076] US 2003/0169705 A1 (Knisely et al) 11 September	2003 (11.09.2003), page 1 para [0006]-	1-2
x	[0008] "Interoperability Specification (IOS) for cdma2000 TIA/EIA, July 2003, TIA-2001-C, Part 3 Features,		1-2
Y	US 2003/0169705 A1 (Knisely et al) 11 September [0008]	1-2	
Α	US 2003/0223396 A1 (Tsai et al) 04 December 200	1-10	
Α	US 2004/0062221 A1 (Gopalakrishnan et al) 01 Ap [0013]-[0024]	1-10	
Α	US 2003/0156556 A1 (Puig-Oses et al) 21 August 2003 (21.08.2003), pages 2-5 para [0019]-[0052]		1-10
	[]		
Taxanian T	documents are listed in the continuation of Box C.	See patent family annex.	
•	pecial categories of cited documents: defining the general state of the art which is not considered to be	"T" later document published after the inte date and not in conflict with the applie the principle or theory underlying the	cation but cited to understand
•	lar relevance plication or patent published on or after the international filing	"X" document of particular relevance; the considered novel or cannot be considered.	
date		step when the document is taken alone	
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive ste combined with one or more other suc	p when the document is h documents, such combination
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	
"%" document member of the same patent family document published prior to the international filing date but later than the			ranny
Date of the actual completion of the international search Date of mailing of the international search report 15 APR 2005			ch report S
28 March 2005 (28.03.2005) Name and mailing address of the ISA/US Authorized officer			7
Mail Stop PCT, Attn: ISA/US			
P.O. Box 1450			
Alexandria, Virginia 22313-1450 Telephone No. 571-27242000 Facsimile No. (703) 305-3230			

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT	PCT/US04/26054
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Continuation of B. FIELDS SEARCHED Item 1: 370/320,329,331,332,335,336,352,395.2,395.21; 455/67.11,422.1,426.1,432.1,4	36 437 442 445 450 452 2 453 513 524 525 560
	50, 157, 112, 113, 150, 152.2, 155, 515, 521, 522, 500
Continuation of B. FIELDS SEARCHED Item 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces Rele	ease C", TIA/EIA, July 2003, TIA-2001-C
D D D D D D D D D D D D D D D D D D D	

International application No.

Form PCT/ISA/210 (extra sheet) (January 2004)

From the

INTERNATIONAL SEARCHING AUTHORITY

JEFFREY K. JACOBS

1303 EAST ALGONQUIN ROAD
SCHAUMBURG. IL 60196

PCT

1303 EAST ALGONQUIN ROAD SCHAUMBURG, IL 60196		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY	
			(PCT Rule 43bis.1)
		Date of mailing (day/month/year)	15 APR 2005
Applicant's or agent's file reference		FOR FURTHER ACTION	
CE11765R		See paragraph 2 below	
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)
PCT/US04/26054 International Patent Classification (IPC)	11 August 2004 (11.08.		
		mon and IPC	
IPC(7): H04Q 7/00 and US Cl.: 370/33 Applicant	2; 455/437, 525, 560		
MOTOROLA, INC.			
WOTOROLA, INC.		***************************************	
1. This opinion contains indications re	elating to the following iter	ns:	
Box No. I Basis of th	e opinion		
Box No. II Priority			
Box No. III Non-estab	ishment of opinion with re	egard to novelty, inve	entive step and industrial applicability
Box No. IV Lack of ur	Box No. IV Lack of unity of invention		
	statement under Rule 43bis ty; citations and explanation		o novelty, inventive step or industrial tatement
Box No. VI Certain do	Box No. VI Certain documents cited		
Box No. VII Certain de	defects in the international application		
Box No. VIII Certain observations on the international application			
2. FURTHER ACTION			
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.			
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.			
For further options, see Form PCT.	/ISA/220.		
3. For further details, see notes to For	m PCT/ISA/220.		
Name and mailing address of the ISA/ US Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents Wellington Chin			
P.O. Box 1450 Alexandria, Virginia 22313-1450	l	Telephone No. 5	71-272-2600
Facsimile No. (703) 305-3230		Telephone 140. J	, 1 2 2000

Form PCT/ISA/237 (cover sheet) (January 2004)

International application No.

PCT/US04/26054

Box No. I Basis of this opinion 1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: type of material a sequence listing table(s) related to the sequence listing format of material in written format in computer readable form time of filing/furnishing contained in international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:

International application No. PCT/US04/26054

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement YES Novelty (N) Claims 1-10 _NO Claims NONE _YES Inventive step (IS) Claims 3-10 Claims 1-2 _NO _YES Industrial applicability (IA) Claims 1-10 Claims NONE _NO 2. Citations and explanations: Please See Continuation Sheet

Form PCT/ISA/237 (Box No. V) (January 2004)

Supplemental Box

International application No. PCT/US04/26054

In case the space in any of the preceding boxes is not sufficient.
V. 2. Citations and Explanations:
Claims 1-2 lack an inventive step under PCT Article 33(3) as being obvious over Chang in view of Knisely et al.
Claim 1, Chang teaches a method for providing forward packet data service to mobile stations (MSs) in a mobile communication system (FIG. 8, page 1 paragraph [0007], page 5 paragraphs [0073]-[000076]) referenced by the Concurrent Service 80a of the MS to the Packet Data Service Node through the Source Base Station in a CDMA mobile communication system, the method comprising providing by a cell in the mobile communication system data transmission service via a forward link (FIG. 6, page 4 paragraph [0058]) referenced by the use of Cell Identifier parameter to establish the data transmission with the Source Base Station, indicating to an MS that the cell will not provide data transmission service to the MS via the forward link (FIG. 8, page 5 paragraphs [0073]-[000076]) referenced by the BS Ack ORDER message 80l from the Target Base Station to the MS which indicates the Source Base Station will not provide data transmission service. Chang does not teach a forward packet data channel (F-PDCH). Knisely teaches a Forward Packet Data Channel (page 1 paragraph [0007]) referenced by the Forward-Packet Data Channel transmission of data from the base station to the mobile station. It would have been obvious to employ the F-PDCH of Knisely to the forward packet service of Chang for the purpose of having the base station convey communication signals to and from mobile equipment.
Claim 2, Chang teaches wherein providing data transmission services comprises providing data transmission services to the MS (FIG. 8, page 3 paragraph [0033]) referenced by the concurrent service inclusive of packet services to the MS, and wherein indicating that the cell will not provide data transmission service to the MS comprises indicating by the cell that the cell will no longer provide data transmission service to the MS via the forward link (FIG. 8, page 5 paragraphs [0073]-[0076]) referenced by the BS Ack ORDER message 80l from the Target Base Station to the MS which indicates the Source Base Station will no longer provide data transmission service. Chang does not teach a forward packet data channel (F-PDCH). Knisely teaches a Forward Packet Data Channel (page 1 paragraph [0007]) referenced by the Forward-Packet Data Channel transmission of data from the base station to the mobile station. It would have been obvious to employ the F-PDCH of Knisely to the forward link of Chang for the purpose of having the base station convey communication signals to and from mobile equipment.
Claims 3-4 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest that the cell will not provide data transmission service to the mobile station via the F-PDCH comprises sending a channel assignment message to the MS that the cell does not support a F-PDCH nor is part of an active set.

Claims 5-10 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest sending an indication to the MS that the target cell is presently unavailable to provide data transmission service to the MS via the F-PDCH of the

Form PCT/ISA/237 (Supplemental Box) (January 2004)

International application No. PCT/US04/26054

In	upplemental Box a case the space in any of the preceding boxes is not sufficient.
ta	rget cell.
C m	laims 1-10 the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be lade or used in industry.